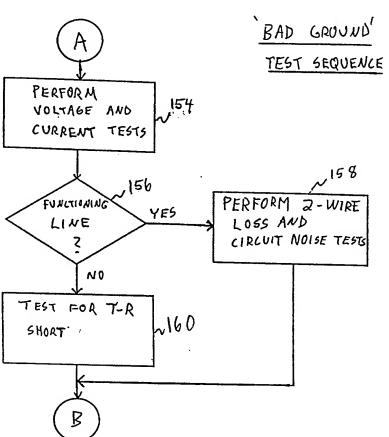
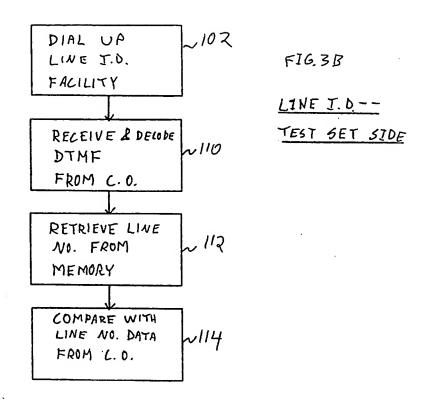
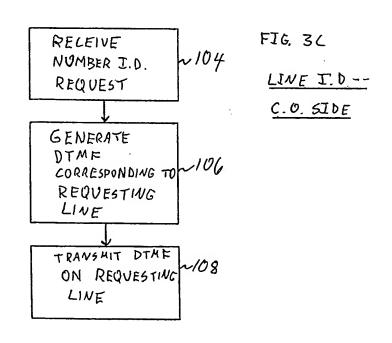
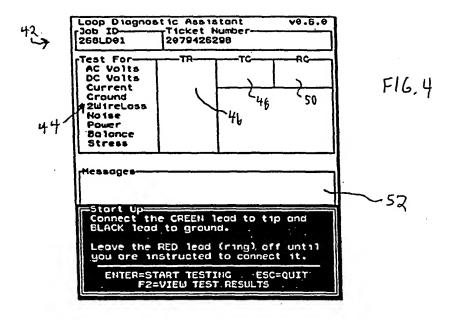


Fig. 3A









	Loop Diagnostic Assistant				
44 ~	Test For- AC Volts DC Volts Current Ground 2WireLoss Noise Power Balance Stress	78 9.3v -49.3v •25.1mA 70dB 6.1dB 10dB 50dB 51dB	737-9963	8.6v -50.3v	FIG. 5
	Messages Stress test Het acceptal No imbalanc Ring.	complete ble range e exists:	: TR <30 dE between Tip		<u>.</u> 57
	Choose who	t you won	t to do ne		
		ETEST LIN		)IT .	

Loop Diagnostic Assistant V1.2.0   Job ID							
Test For- AC Volts DC Volts Current Ground ZwireLoss Noise Power Balance Stress	7R- 0.3v -48.1v +29.1mA 70dB 5.1dB 20dB 41dB	-0.5v	RG 0.6v -51.7v d:				

F16. 5A

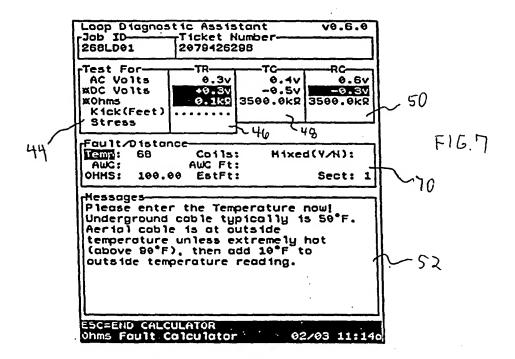
Messages
The Circuit ID from the switch,
matches the subscriber's phone number
on the trouble/service order ticket.

CID:7394606 TN:9147394606

ESC=STOP TESTING

08/22 01:36p

Trouble found: Found unacceptable stress reading. Accepted range is <30 dBmc F16.6 one-sided fault (unbalance) exists. Test script complete Choose what your want to do next ENTER=RETEST LINE ESC=QUIT F2=VIEW RESULTS



Temp: Coils: N Mixed(Y/N): N 68 AWG:

26 AWG Ft:

OHMS: 100.00 EstFt: 1176 Sect: F16. 7A

TIME JOB-TICKET

10:40AM 255L001

1 :26AM 265L001

\*Ohms' test(s)

TR = 0.1kR

TC = 3500.0kR

TROUBLE FOUND:
Short circuit (Tip/Ring) appears to be the problem.
Acceptable values are:
TR. TG L RC: > 2800 kR.

Distance to fault calculations will be done next!

Fault/Calculator:

Section = 1

Ohms = 100.00

Temperature = 68

LoadCoilsx = 0

AWCHixed = N

WireCaugex = 26

OhmsFeet = 176.00

Estimated distance to fault size 178 feet

ESC-0011 UP/DOWN=SELECT

SCROLL:PANUP/PANDN=PAGE U/D=LINE
02/03 11:320

F16.8

Time Job Ticket
11:00A N2DB2345

"Ground" test(s)
>TR = 72dB
Ground Test Complete
Found Good Ground.

Met Acceptable range: TR >70dBmc.

"AC Voltage' test(s)
> TR = 0.0v
> TG = 0.0v
> RG = 0.0v
Found AC voltage acceptable.

Acceptable values are:
ESC=QUIT UP/DOWN=Select

SCROLL:PANUP/PANDN=PAGE

F16.9

Time Job Ticket

11:00A N2DB2345 10:40A N2DB2345

TR, TG = RG less than 5vAC

'DC Voltage' test

TR = -.6

TG = 0.0

RG = 0.0Found Little or no DC voltage

ESC=QUIT UP/DOWN=Select SCROLL:PANUP/PANDN=PAGE

F16.10

-JOB-TICKET-ZOBLUUI TIME-10:40AM 10:26AH 268LD9.1

'Current Loop' test(s) >TR=+28.22 ma Loop current test completed Met acceptable range TR=23-65

'2w lass' test(s) >'Test Line" 1-800-555-1212 >TR = -65.8dB Unable to get valid circuit loss reading Acceptable range is TR< 8.5 dB Make sure the test line & is one which generates a 1004 Hz tone.

ESC=QUIT UP/DOWN=SELECT SCROLL:PANUP/PANDN=PACE U/D=LINE 02/03 11:320

F16.11